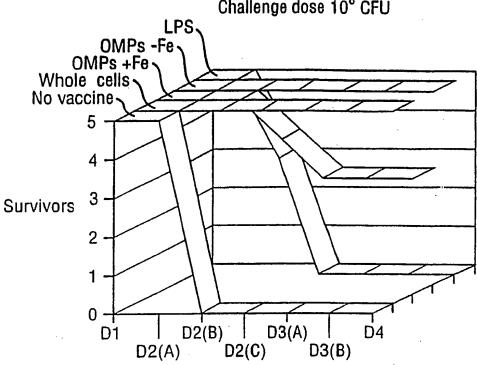
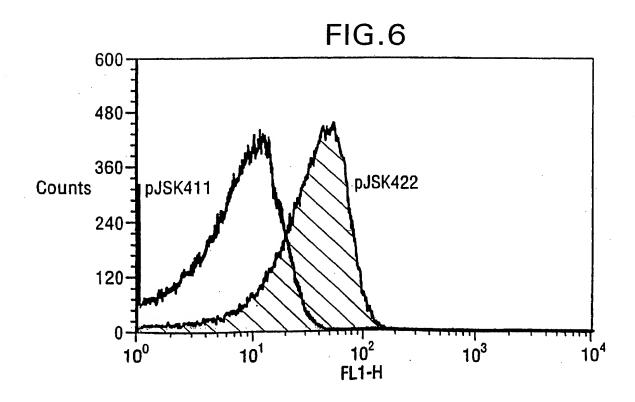


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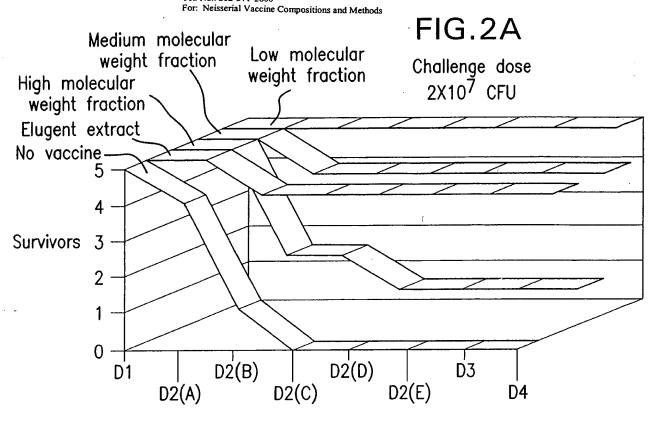
Inventors: ROBINSON et al.

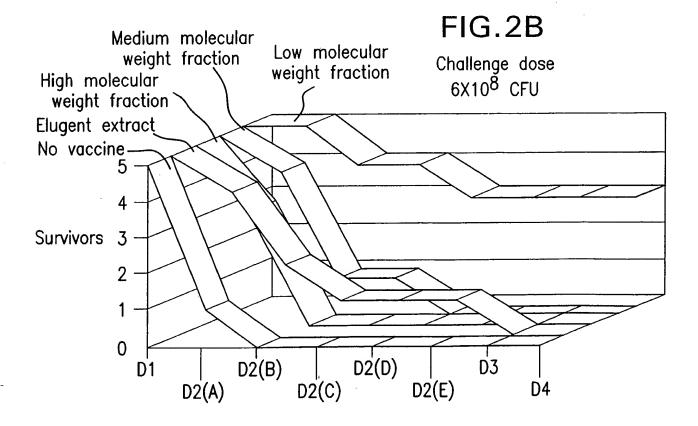
FIG. 1 Challenge dose 10⁸ CFU





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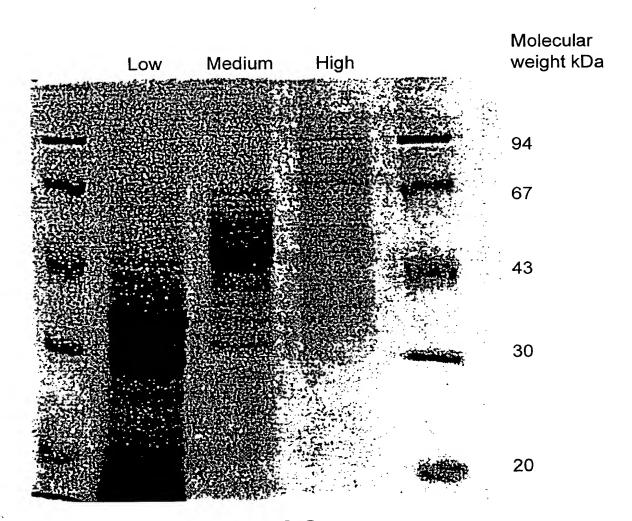


FIG.2C

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Inventors: ROBINSON et al.

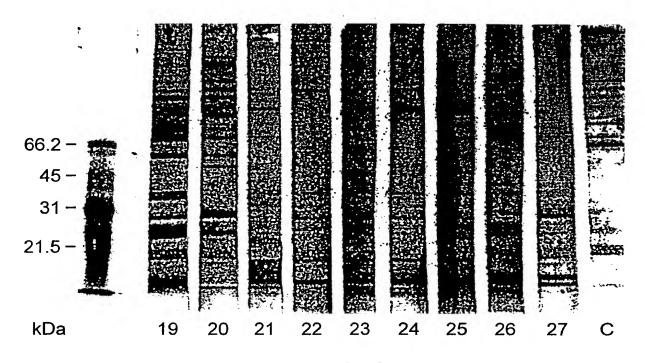


FIG.3

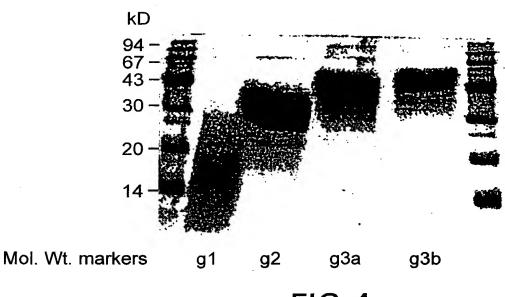


FIG.4

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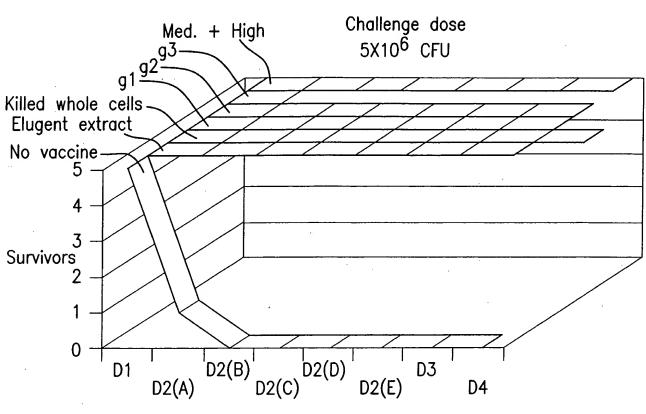
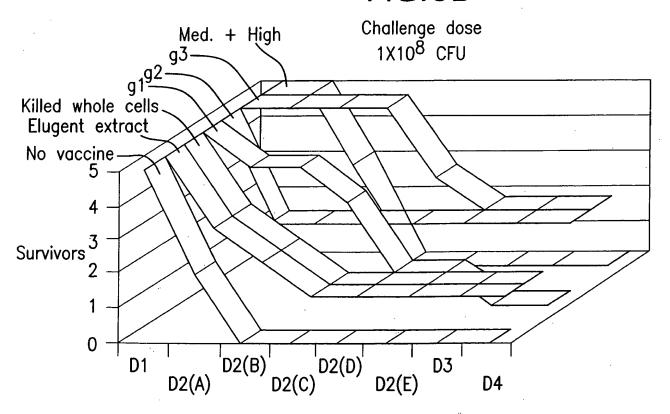


FIG.5B



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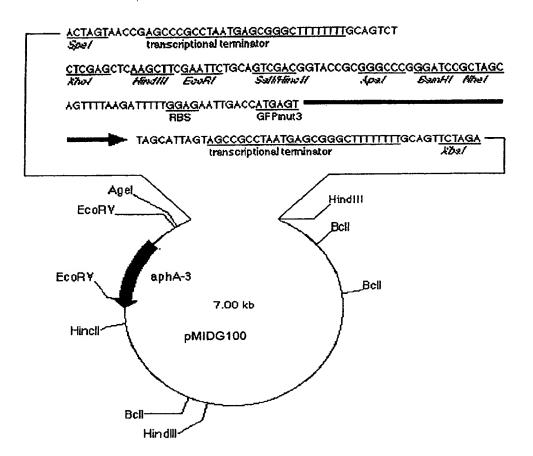
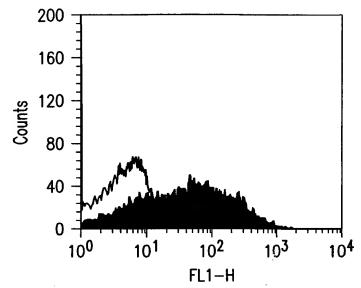


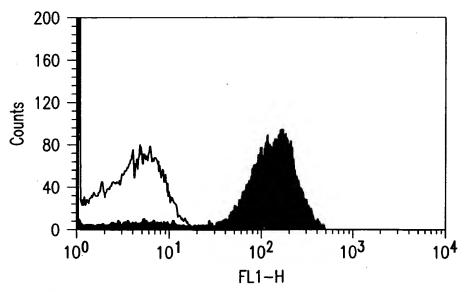
Fig. 7

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Key	Name	Parameter	Gate
	N. cinerea NRL32165 pMIDG100	FL1-H	G1
	N. cinerea NRL32165 pMIDG101	FL1-H	G1

FIG.8A



Key	Name	Parameter	Gate
	N. flava NRL30008 pMIDG100	FL1-H	G1
	N. flava NRL30008 pMIDG101	FL1-H	G1

FIG.8B

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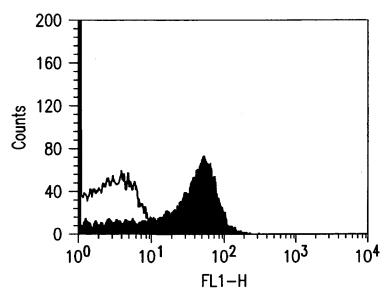
Appl. No. 09/942,583; Filed: Aug 31, 2001

Dkt No. 1581.0840001/RWE/FRC; Group Unit: 1645

Inventors: ROBINSON et al.

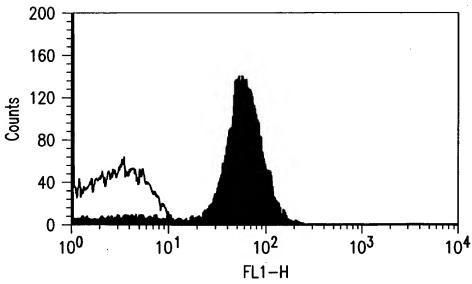
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Key	Name	Parameter	Gate
	N. sicca M98-252234 pMIDG100	FL1-H	G1
	N. sicca M98-252234 pMIDG101	FL1-H	G1

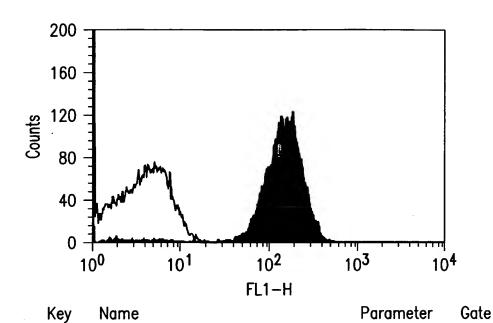
FIG.8C



Key	Name	Parameter	Gate
	N. subflava NRL30017 pMIDG100	FL1-H	G1
	N. subflava NRL30017 pMIDG101	FL1-H	G1

FIG.8D

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N. flavescens 2830 pMIDG100

N. flavescens 2830 pMIDG101

FIG.8E

FL1-H

FL1-H

G1

G1

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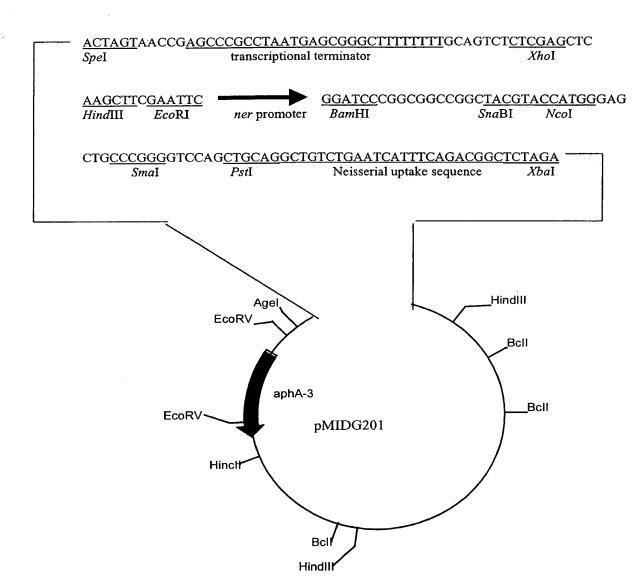
FIG.9A



FIG.9B

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Fig. 10



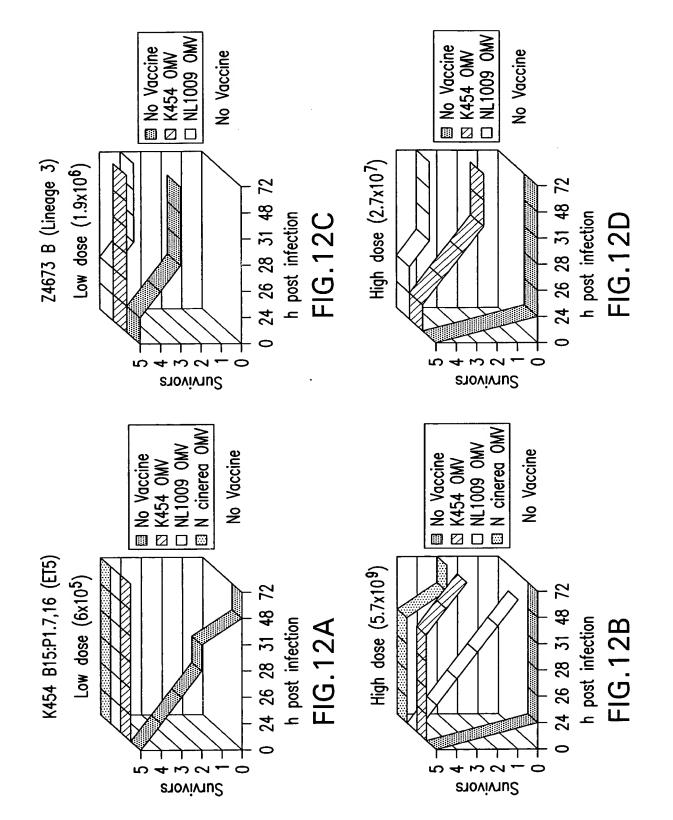
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Fig. 11

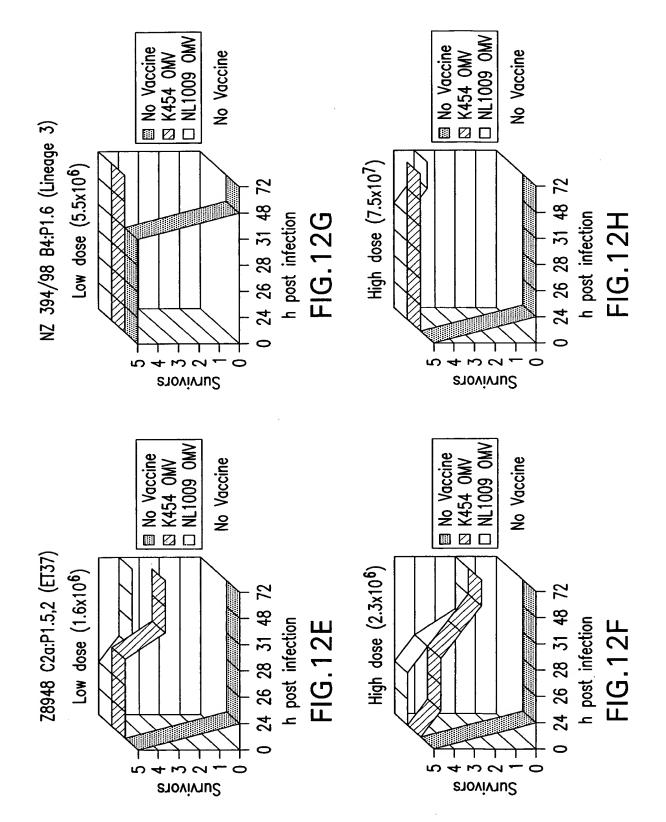
VcoI - tgaccataaaggaaccaaaatatgaaaaaagcacttgccacactgattgccctcgctctcccggccgccgcactggcggaaggcgcatccttta
RBS Start codon
gtccaagccgatgccgcacacgcaaaagcctcaagctctttaggttctgccaaaggcttcagcccgcgcatctccgcaggctaccgcatcaacgacctccgcttcgccgt
gatta caege geta caa aa aactata aa ageee catee acega ttte caa acttta cage at egge gegetee gee at ttae gae at tega caece aat egee eg teaa acegta tetaa agee acega ta tega caece aat egee eg teaa acegta tetaa acegta acegt
ggcgcgcgcttgagcctcaaccgcgcctccgtcgacttgggcggcagcgacagcttcagccaaacctccatcggcctcggcgtattgacgggcgtaagctatgccgtta
cccgaatgtcgatttggatgccggctaccgctacaactacatcggcaaagtcaacactgtcaaaaacgtccgttccggcgaactgtccgtcggcgtgcgcgtcaaattctga
atgegeett attetgeaaacegeegageetteggeggttttgttttet - PstI
Stop codon Transcription terminator

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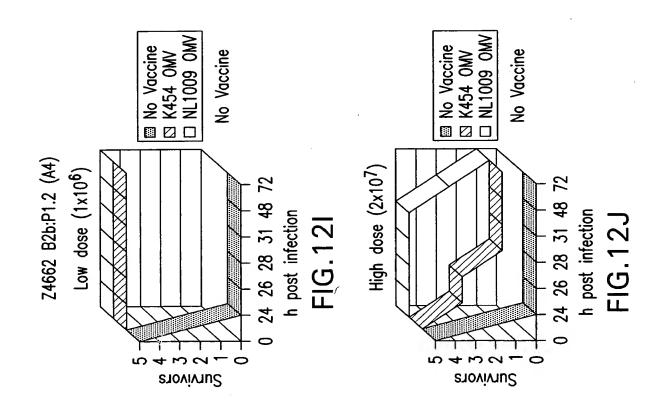
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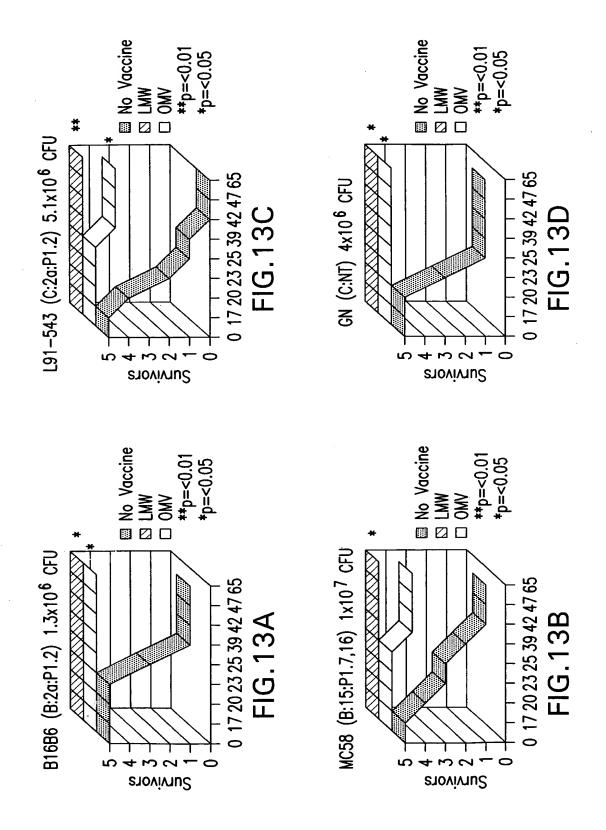


Fig. 14. N. lactamica OMVs with Freund's or alum adjuvant protect mice against serogroup B meningococcal challenge (isolate K454)

Challenge dose 4.35 x 106 CFU

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